

OMB NA 0651-0011 MAY 1 0 2000

Atty. Docket N	o. 07099.0019-04	Serial No.	09/482,	032	ROUP 2700			
Applicant	David Stanley BULL et al.		-			,		
Filing Date	January 13, 2000		Group	Unassig	gned			
	U.S	. PATENT D	OCUMENTS					
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate		
au	5,742,762	4/21/98	Scholl et al.	_				
au	5,675,780	10/7/97	Plant-Mason et al.	<u></u>	_			
ar	4,837,798	6/6/89	Cohen et al.					
an	5,737,560	4/7/98	Yohanan		_			
al	5,794,210	8/11/98	Goldhaber et al.					
	FORE	IGN PATENT	DOCUMENTS					
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No		
	OTHER DOCUMENTS (Incl	uding Autho	r, Title, Date, Pertine	nt Pages	, Etc.)			
al	Oren Etzioni et al., Intellige 44-49.	ent Agents on	the Internet: Fact, Fic	tion, and	Forecase,	IEEE, pages		
ar	Ronald J. Vetter et al., Mo	saic and the V	Vorld-Wide Web, IEEE	E, pages 2	19-57			
an	Ari Luotonen et al., World	Ari Luotonen et al., World Wide Web Proxies, http://www.w3org/history/1994/www/proxies/ , pages						
Examiner	alexander delevous	es.	Date Considered	ગાયા) [
*Examiner:	Initial if reference considered, who	Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next						
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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate			
Bu	5,309,355	5/3/94	Lockwood						
de	5,404,393	4/4/95	Remillard						
Du	5,404,505	4/4/95	Levinson	_	-				
ah	5,422,809	6/6/95	Griffin et al.	_	~				
ph	5,459,859	10/17/95	Senda						
	FORE	IGN PATENT	DOCUMENTS						
	Document Number	Date	Country	Class	Sub Class	Translation Yes or No			
AU	PCT/US94/12646	10/31/94	PCT						
au	PCT/NO94/00206	12/16/94	PCT		1				
@^	PCT/US93/00628	1/22/93	PCT						
an	6491212A2	10/17/94	Europe		_				
au	PCT/NO96/14893		PCT		1				
	OTHER DOCUMENTS (Incl	uding Autho	r, Title, Date, Pertir	ent Pages	, Etc.)				
all	"The Whole Internet - For v	vindows 95",	Author Ed Krol & Pa	ula Fergus	on, Pages	117-121, 126.			
ale	Stuart Harris et al., Netsca	pe Quicke To	ur for Macintosh, Ve	entura Pres	s, pages 3	0, 41.			
al	Aubrey, David, "Nomads o Vol. 15, No. 12, p. 616(4),	Aubrey, David, "Nomads of the Net (intelligent agents for data searching)," Computer Shopper, Vol. 15, No. 12, pp. 616(4), pp. 1-8, December 1995.							
Examiner	alexande Califord	O.	Date Considered	2/14/	91				
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		U.S.	PATENT D	OCUMENTS						
Examiner Initial*		Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate			
au	5,4	91,820	2/13/96	Belove et al.		_				
pel	5,8	48,396	12/8/98	Gerace		1				
On.	5,7	54,939	5/19/98	Herz et al.	-					
ave	5,3	47,632	9/13/94	Filepp et al.		_				
an	5,4	42,771	8/15/95	Filepp et al.		1				
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au		wono et al., "Search and EE, pp. 164-171, 1996.	Ranking Alg	orithms for Locating	Resources	on the W	orld Wide Web,			
an		IEEE, Article by M.F. Wyle, entitled "A WIDE AREA NETWORK INFORMATION FILTER", October 1991, pages 10-15.								
Object Magazine, Article by Darrell Woelk, Michael Huhns, and Christine Tomlinson, entitle "UNCOVERING THE NEXT GENERATION OF ACTIVE OBJECTS", July/August 1995, page 40.										
Examiner	alix	ander asterione	6c	Date Considered	7/41	01				
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Atty. Docket No. 07099.0019-04 Serial No. 09/482,032 Applicant David Stanley BULL et al. Filing Date January 13, 2000 Group Unassigned **U.S. PATENT DOCUMENTS** Examiner **Document** Sub **Filing Date** Initial* Number Date Name **Class Class** If Appropriate ell 5,594,910 1/14/97 Filepp et al. an 5,572,643 11/5/96 Judson 5,555,407 9/10/96 Cloutier et al. 5,623,652 4/22/97 Vora et al. 5,649,186 7/15/77 Ferguson **FOREIGN PATENT DOCUMENTS Document** Sub **Translation** Number **Date** Country Class **Class** Yes or No OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.) Online Information 94 Proceedings, Article by David Gee and Peter Woolliams, entitled "NOVEL APPROACHES TO AUTOMATING THE GATHERING OF INTELLIGENCE FROM THE ONLINE COMMUNITY THROUGH THE INTERNET", 1994, pages 501-511. Multimedia At Work, Article by Thomas D.C. Little, entitled "COMMERCE ON THE INTERNET". 1994, pages 74-78. Database WPJ Week 963/40813. Examiner **Date Considered** *Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Form PTO 1449 Patent and Trademark Office - U.S. Department of Commerce



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Atty. Docket No.	7RAUGAR 07099.0019-04		Serial No.	09/482,	032	
Applicant	David Stanley BULL et al.					
Filing Date	January 13, 2000		Group	Unassig	gned	
	U.S.	PATENT D	OCUMENTS			
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate
ou	5,530,852	6/25/96	Meske, Jr. et al.	_	_	
au	5,710,886	1/20/98	Christensen et al.			
de	5,740,549	4/14/98	Reilly et al.			
Ou	5,819,285	10/6/98	Damico et al.			
R	5,696,965	12/9/97	Dedrick			
ax	FOREI	GN PATENT	DOCUMENTS			
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	OTHER DOCUMENTS (Inclu	iding Autho	r, Title, Date, Pertine	nt Pages	, Etc.)	
De	Ian Graham, Server-side "C Introduction to HTML, page		grams", The Information	on Commo	ons, Unive	rsity of Toronto,
Our	Ian Graham, CGI Documer	itation, The Ir	Information Commons, University of Toronto, pages			
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Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate	
per	5,249,044	9/1993	Kohorn				
au	5,459,306	10/1995	Stein et al.		<u> </u>		
av	5,724,521	3/3/98	Dedrick)		
Clu	5,572,643	11/5/96	Judson)		
ar	5,737,619	4/7/98	Judson				
	FORE	IGN PATENT	DOCUMENTS				
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	U.S.	PATENT D	OCUMENTS						
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date If Appropriate			
	5,570,283	10/9/96	Shoolery et al.		-				
	5,237,499	8/17/93	Garback		-				
	5,191,523	3/2/93	Whitesage	_)				
	5,311,425	5/10/94	Inada						
	5,832,454	11/3/98	Jafri et al.						
	FOREIG	GN PATENT	DOCUMENTS						
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Atty. Docket No.	07099.0019-04		Serial No.	09/482,	032	GROUP 270		
Applicant	David Stanley BULL et al.							
Filing Date	January 13, 2000		Group	Unassi	gned			
_	U.S	S. PATENT D	OCUMENTS					
Examiner Initial*	Document Number	Date	Name	Class	Sub Class	Filing Date		
all	5,467,268	11/14/95	Sisley et al.	_				
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